

IN THE CLAIMS

Please cancel claims 9-15 and 17-23, amend claim 24, and add claims 25-32 as indicated:

1-23. (cancelled)

24. (currently amended) A system for downloading a data file from a web server to a user workstation through a local area network (LAN) that is connected to the user workstation, the user workstation including a hard disk for storing a data file being transferred over a Small Computer System Interface (SCSI) bus, the user workstation comprising:

a network adapter having:

    a dual-port memory for temporarily storing a data file, the dual-port memory having a first, second and third port;

    a system bus interface coupling the first port with a system bus in the user workstation;

    a LAN logic unit coupling the LAN to the second port of the multi-port memory;

    a SCSI logic unit coupling the SCSI bus to the third port of the dual-port memory; and

    a microcontroller coupled to the dual-port memory, wherein the microcontroller selectively routes incoming data files from the LAN to either the system bus interface or the SCSI logic unit via the dual-port memory, and wherein the microcontroller selectively routes outgoing data files from the hard disk to the SCSI bus to the SCSI logic unit to the dual-port memory to the dual-port memory to the LAN logic unit to the LAN, thus bypassing the system bus interface of the user workstation when sending data files from the hard disk to the LAN.

25. (new) The system of claim 24, wherein the microcontroller locally stores a listing of address sources, address destinations and port numbers that authorize the data file to be routed directly to a non-volatile memory in the system.

26. (new) The system of claim 24, wherein the system subsequently alerts a File Transfer Protocol (FTP) application of a location of a newly stored data file.

27. (new) A method for downloading a data file from a web server to a user workstation through a local area network (LAN) that is connected to the user workstation, the user workstation including a hard disk for storing a data file being transferred over a Small Computer System Interface (SCSI) bus, wherein the user workstation further includes a network adapter having a dual-port memory for temporarily storing a data file, the dual-port memory having a first, second and third port; a system bus interface coupling the first port with a system bus in the user workstation; a LAN logic unit coupling the LAN to the second port of the multi-port memory; a SCSI logic unit coupling the SCSI bus to the third port of the dual-port memory; and a microcontroller coupled to the dual-port memory, the method comprising:

using the microcontroller to selectively route incoming data files from the LAN to either the system bus interface or the SCSI logic unit via the dual-port memory, wherein the microcontroller selectively routes outgoing data files from the hard disk to the SCSI bus to the SCSI logic unit to the dual-port memory to the LAN logic unit to the LAN, thus bypassing the system bus interface of the user workstation when sending data files from the hard disk to the LAN.

28. (new) The method of claim 27, further comprising:

using the microcontroller to locally store a listing of address sources, address destinations and port numbers that authorize the data file to be routed directly to a non-volatile memory in the system.

29. (new) The method of claim 27, further comprising:

subsequently alerting a File Transfer Protocol (FTP) application of a location of a newly stored data file.

30. (new) A machine-readable medium having a plurality of instructions processable by a machine embodied therein, wherein said plurality of instructions, when processed by said machine causes said machine to perform a method comprising:

downloading a data file from a web server to a user workstation through a local area network (LAN) that is connected to the user workstation, the user workstation including a hard disk for storing a data file being transferred over a Small Computer System Interface (SCSI) bus, wherein the user workstation further includes a network adapter having a dual-port memory for temporarily storing a data file, the dual-port memory having a first, second and third port; a system bus interface coupling the first port with a system bus in the user workstation; a LAN logic unit coupling the LAN to the second port of the multi-port memory; a SCSI logic unit coupling the SCSI bus to the third port of the dual-port memory; and a microcontroller coupled to the dual-port memory; and

using the microcontroller to selectively route incoming data files from the LAN to either the system bus interface or the SCSI logic unit via the dual-port memory, wherein the microcontroller selectively routes outgoing data files from the hard disk to the SCSI bus to the SCSI logic unit to the dual-port memory to the LAN logic unit to the LAN, thus bypassing the system bus interface of the user workstation when sending data files from the hard disk to the LAN.

31. (new) The machine-readable medium of claim 30, wherein the method further comprises:

using the microcontroller to locally store a listing of address sources, address destinations and port numbers that authorize the data file to be routed directly to a non-volatile memory in the system.

32. (new) The machine-readable medium of claim 30, wherein the method further comprises:

subsequently alerting a File Transfer Protocol (FTP) application of a location of a newly stored data file.